

4. Logical Model

A SNOMED CT template is a SNOMED CT expression, expression constraint, or query that contains one or more *slots*. Each template slot either provides information as to how the template should be processed (i.e. an information slot), or serves as a placeholder for a specific value that may be completed at a subsequent time. Each replacement slot may have a replacement type (e.g. concept, expression, token, string, integer, decimal or boolean), a slot name, and a replacement constraint. Depending on the replacement type, the replacement constraint may either be an expression constraint, a value list constraint or a range constraint. Each information slot may have a cardinality and a slot name.

The SNOMED CT template syntax defines the syntax used for these slots, irrespective of the computable language in which they are embedded. [Figure 4-1](#) below illustrates the abstract model of the SNOMED CT template syntax. Please note that no specific semantics should be attributed to each arrow in this diagram.

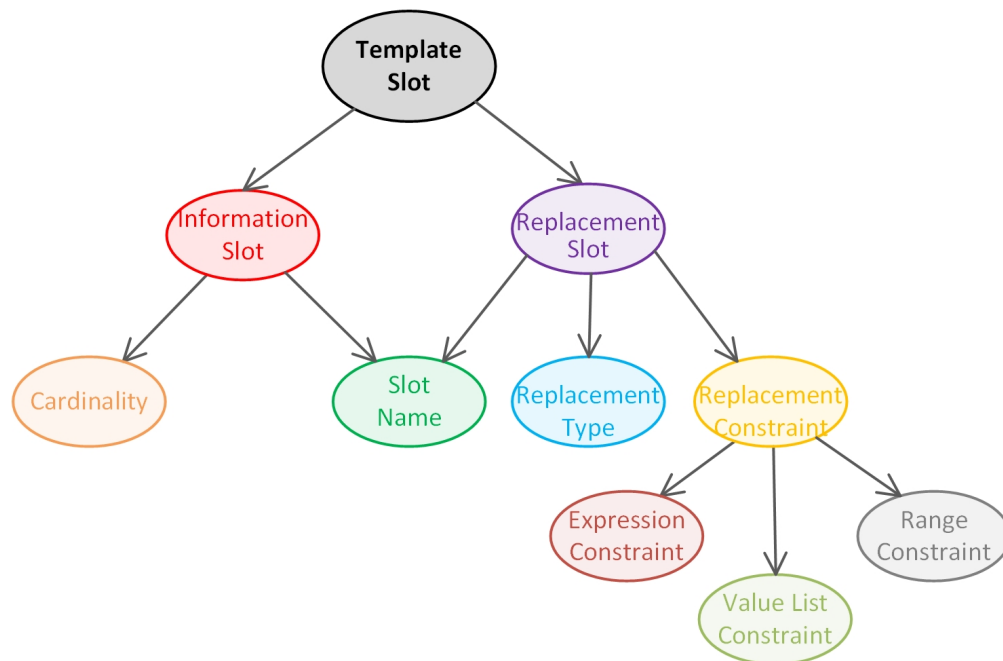


Figure 4-1: Abstract model of SNOMED CT Template Syntax